Subject and Author Index

Abstracts, nutrition practice poster, S1 (February)
Acute respiratory distress syndrome (ARDS), 563
Aging. *See* Elderly patients
AIDS (acquired immune deficiency syndrome)
  development of, 324
  gastrointestinal manifestations of, 356
Aluminum, A.S.P.E.N. statement of PN solutions with, 416
Anabolic agents, nutrition support and, 263
Anorexia nervosa, massive gastric dilation and necrosis in, 409
Arginine
  dietary supplementation with, 216
  sepsis modulation or mediation by, 201
Aspiration, gastric feeding, enteral nutrition and, 504

Bioelectrical impedance analysis (BIA), validity in clinical populations, 433
Bioelectrical impedance spectroscopy (BIS), validity in clinical populations, 433
Biomarkers, for sepsis, therapeutic intervention monitoring using, 423
Blood specimen collection, PN venous access lines and, 540 (Letter)
Blood urea nitrogen/creatinine ratio with excess protein, 539 (Letter)
Body composition, bioelectrical impedance analysis validity and, 433
Book Reviews
  The ABC Clinical Guide to Herbs. Blumenthal M, ed., 188
  Bacteria for Breakfast: Probiotics for Good Health. Karpa KD, 535
  Handbook of Drug-Nutrient Interactions. Boullata JI and Armenti T, 648
  The Handbook of Food-Drug Interactions. McCabe B, Frankel EH, Wolfe J, eds., 415
  Key Facts in Clinical Nutrition, 2nd Edition. Payne-James J and Wicks C, 64
  Molecular Nutrition. Zempleni J and Daniel H, 535
  Nutritional Support for Adults and Children: A Handbook for Hospital Practice. Bowling T, 649
  Nutrition and Critical Care. Nestlé Nutrition Workshop Series, Clinical and Performance Program, Vol. 8. Cynober LA and Moore FA, eds., 186
  Nutrition and Immune Function Series: Frontiers in Nutritional Science, No. 1. Calder PC, Field CJ, Gill HS, eds., 311
  Practical Nutritional Support Techniques, 2nd Edition. Buchanan AL, 310
  The University of Michigan Hospitals and Health Centers Parenteral and Enteral Nutrition Manual, 8th edition. Nabil K, Btaiche IF, Kovacevich DS, eds., 62

Calorimetry, indirect
  energy expenditure measurement with, 622
  energy metabolism monitoring and, 447
Carbohydrates, in pulmonary disease formulas, 557
CARE (Ryan White Comprehensive AIDS Resources Emergency) Act, 319 (Editorial)
Children. *See also* Infants
  Assessment Scale for Severe Feeding Problems in, 403
  copper deficiency during PN, 305
  metabolic assessment for HIV-positive, 379
  monitoring enteral nutrition tolerance in, 496
Chronic obstructive pulmonary disease (COPD), 547
  nutritional management of, 550
Clinical trials, evidence-based medicine and, 650 (Letter)
Copper deficiency during PN, pediatric cases of, 305
Critically ill patients
  energy expenditure measurements in, 622
  evidence-based clinical practice guidelines for nutrition support in mechanically ventilated, 193 (Editorial)
  lung disease and, 547
  monitoring therapeutic interventions for sepsis in, 423
  obesity and nutrition support for, 290
  parenteral nutrition enhancement for, 226
  permissive underfeeding of, 477
Current Literature
  Beneficial Effects of Adenosine Triphosphate on Nutritional Status in Advanced Lung Cancer Patients: A Randomized Trial. Agteresch HJ, Rietveld T, Kerkhofs LGM, van den Berg WO, Wilson JHP, Dagnelie PC, 413
  Caloric Intake in Medical ICU Patients: Consistency of Care With Guidelines and Relationship to Clinical Outcomes. Krishnan JA, Parce PB, Martinez A, et al., 645
  Correlation Between Ammonia Levels and the Severity of Hepatic Encephalopathy. Ong JP, Aggarwal A, Krieger D, Easley KA, Karafa MT, Van Lente F, Arroliga AC, Mullen KD, 413
  Effect of Laparoscopic Roux-en-Y Gastric Bypass on Type 2 Diabetes Mellitus. Schauer PR, Burgera B, Ikramuddin S, Cottam D, Gourash W, Hamad G, Eid GM, Mattar S, Ramanathan R, Barinas-Mitchel E, Rao RH, Kuller L, Kelley D, 60
  The Effect of Vasopressin on Gastric Perfusion in Catecholamine-Dependent Patients in Septic Shock. van Haren FMP, Rozendaal FW, van der Hoeven JG, 531
  Glucose Control and Mortality in Critically Ill Patients. Finney SJ, Zekveld C, Elia A, Evans TW, 184
  Hypoglycemia as a Predictor of Mortality in Hospitalized Elderly Patients. Kagansky N, Levy S, Rimon E, Cojocaru L, Fridman A, Ozer Z, Knobler H., 184
  The Impact of IV Fat Emulsion Administration in Acute Lung Injury. Lekka ME, Liokatis S, Nathanail C, Galani V, Nakos G, 531
  Multicentre, Cluster-Randomized Clinical Trial of Algorithms for Critical-Care Enteral and Parenteral Therapy (ACCEPT). Martin CM, Doig GS, Heyland DK, Morrison T, Sibbald WJ, 309
  Postoperative Jejunal Feeding and Outcome of Pancreaticoduodenectomy. Baradi H, Walsh RM, Henderson JM, Vogt D, Popovich M, 531
  Standardization of IV Insulin Therapy Improves the Efficiency and Safety of Blood Glucose Control in Critically Ill Adults. Kanji S, Singh A, Tierney M, et al., 645
Cystic fibrosis, 575

Diabetes mellitus. *See also* Hyperglycemia
  blood glucose management with enteral feeding and, 129
  evidence-based medical nutrition therapy for, 137
  gastroparesis management, 145
  hyperglycemia and, 120
  new drugs for management of, 172
  posttransplant, 165
  type 1, 117 (Editorial)
    pancreatic Islet cell transplantation, 154
Dietary advice, weight restoration in HIV and, 395
Dipeptidyl peptidase IV inhibitors, diabetes mellitus management and, 172

Elderly patients, mini nutritional assessment, 463
Energy expenditure, measurement of, 622
Energy needs predictions, obesity and, 284
Enteral nutrition
  in acute pancreatitis, 31
  blood glucose and diabetes management and, 129
  in chronic pancreatitis, 37
  feeding protocol for ICU nutrition support, 523
  gastric feeding and, 504
  interrupted delivery in trauma ICU patients, 511
  mechanically ventilated patients and, 610
  postpyloric feeding tubes and tolerance of, 518
  pulmonary disease formulas, 557
  tolerance in, 481
  tolerance in children, 496
Esophageal cancer, postoperative PN for adults with, 255
Ethics, HIV nutrition and, 365
Evidence-based clinical practice guidelines
  clinical trials *versus* systematic reviews or meta-analyses for, 650 (Letter)
  for nutrition support in mechanically ventilated critically ill patients, 193 (Editorial)
Evidence-based medical nutrition therapy, for diabetes mellitus, 137

Feeding tubes
  determining placement by pH assessment, 640
  jejunal, for chronic pancreatitis, 50
  monitoring placement of, 487
  postpyloric, 518
Food and Drug Administration, U.S., compounding glutamine by pharmacists and, 312 (Letter)

Gastric dilation, anorexia nervosa and, 409
Gastric feeding, enteral nutrition and, 504
Gastric residual volume, refractometry of enteral feeding for, 455
Gastrointestinal system
  AIDS manifestations in, 356
  feeding tube placement determination with pH of, 640
Gastroparesis, management of diabetic, 145
Gene therapy, diabetes mellitus type 1 and, 117 (Editorial)
Glucagon-like peptide (GLP-1) derivatives, diabetes mellitus management and, 172
Glucose, serum
  ICU control of, 181
  management with diabetes and enteral feeding, 129
Glutamine, compounding by pharmacists, 312 (Letter)
Growth hormone, 263
  recombinant human, for HIV-associated wasting syndrome, 388

Hematologic tests, PN venous access lines for specimen collection and, 540 (Letter)
Hepatotoxicity, PN-associated, 274
Highly active antiretroviral therapy (HAART)
  lactic acidosis with B vitamin supplements induced by, 375
  nutrition in HIV infection and, 340
HIV
  biology of, 324
  wasting syndrome treatment with recombinant human growth hormone, 388
HIV nutrition, 319 (Editorial)
  assessment parameters for, 330
  ethical issues in, 365
  HAART-induced lactic acidosis with B vitamin supplements, 375
  HAART therapy and, 340
  megestrol acetate, oxandrolone, dietary advice and, 395
  pediatric assessments, 379
Home total parenteral nutrition
  quality of life and, 297
  resting metabolic rate and, 637
Hyperglycemia. *See also* Diabetes mellitus
  nutrition support and, 235
  parenteral nutrition in acutely ill patients with, 120
Hypoalbuminemia, kwashiorkor diagnosis and, 312 (Letter)

Immune-enhancing diets
  acute respiratory distress syndrome and, 563
  arginine and, 216
Infants, preterm, chronic lung disease and, 581
Inflammation, pulmonary, immunonutrition and, 563
Insulin, inhaled, diabetes mellitus management and, 172
Insulin analogues, diabetes mellitus management and, 172
Insulin-like growth factor, 263
Intensive care units
  blood glucose control in, 181
  enteral nutrition in acute pancreatitis, 31
  enteral tube feeding protocol and nutrition support in, 523
  interrupted delivery of enteral nutrition in, 511
  severe acute pancreatitis in, 25
Islet cell transplantation, diabetes mellitus type 1 and, 117 (Editorial), 154

Jejunal feeding, for chronic pancreatitis, 50

Kwashiorkor, causes of, 312 (Letter)

Lactic acidosis, HAART-induced, 375
Lipids
  acute respiratory distress syndrome and, 563
  in pulmonary disease formulas, 557
Liver, PN-associated assaults on, 274
Long-term care, mini nutritional assessment in elderly patients, 463
Lung disease, 547
  acute respiratory distress syndrome, 563
  COPD, 550
  cystic fibrosis and, 575
  enteral nutrition and mechanical ventilation in, 610
  enteral nutrition formulas and, 557
  preterm infants with, 581
  ventilator-associated pneumonia and, 597
Lung transplantation, 587

Malabsorption, chronic pancreatitis and, 5
Maldigestion, chronic pancreatitis and, 5
Malnutrition, COPD and, 550
Measured resting energy expenditure (MREE). *See also* Resting metabolic rate
  indirect calorimetry and, 447
Medical nutrition therapy, for diabetes mellitus, 137
Medicare, HIV nutrition and, 319 (Editorial)
Megestrol acetate, weight restoration in HIV and, 395
Mortality rates, PN and, 255

Necrosis, gastric dilation in anorexia nervosa and, 409
Nitric oxide, arginine for sepsis and, 201
Nutrition assessment, 421 (Editorial)
  elderly patients in long-term care, 463
  enteral nutrition tolerance, 481
  feeding tube placement, 487
  gastric residual volume monitoring with refractometry, 455
  HIV infection and, 330
  for HIV-positive children, 379
  indirect calorimetry, 447
  pediatric scale for severe feeding problems, 403
Nutrition support
  in acute pancreatitis, 1, 16
    severe, 25
  anabolic agents and, 263
  in COPD, 550
  for critically ill patients, 226
  enteral feeding protocol for ICU, 523
  for hospitalized obese patients, 245
  lung transplantation and, 587
  for mechanically ventilated critically ill patients, evidence-based clinical practice guidelines for, 193 (Editorial)
  monitoring, 421 (Editorial)
  obesity in critically ill patients and, 290
  postpyloric feeding tubes for, 518

Obesity
  energy needs predictions in, 284
  nutrition support for critically ill patients and, 290
  nutrition support for hospitalized patients and, 245
Oxandrolone, weight restoration in HIV and, 395

Pain, chronic pancreatitis and, 5, 37, 56
Pancreas, artificial, diabetes mellitus type 1 and, 117 (Editorial)
Pancreas transplantation, diabetes mellitus type 1 and, 117 (Editorial)
Pancreatitis
  acute
    enteral nutrition in, 31
    nutrition support in, 1, 16
    severe, 25
  chronic
    jejunal feeding for, 50
    management of, 37
    pain and, 56
  pathophysiology of, 5
    acute, 16
Parenteral nutrition (PN)
  acutely ill patients with hyperglycemia and, 120
  A.S.P.E.N. statement of aluminum in, 416
  blood sampling from venous access lines for, 540 (Letter)
  copper deficiency during, 305
  enhancing response to, 226
  hepatotoxicity associated with, 274
  indications for hospitalized adults, 255
  quality of life and home total, 297
Peptic ulcers, preoperative weight loss and, 471
pH, feeding tube placement and, 640
Pharmacologic therapy, for diabetic gastroparesis management, 145
Pneumonia, ventilator-associated, 547
  aspiration and, 597
Pramlintide, diabetes mellitus management and, 172
Protein, blood urea nitrogen/creatinine ratio with, 539 (Letter)

Quality of life, home total parenteral nutrition and, 297

Refractometry, for enteral nutrition monitoring, 455
Resting metabolic rate. *See also* Measured resting energy expenditure
  home parenteral nutrition and, 637
Ryan White Comprehensive AIDS Resources Emergency (CARE) Act, 319 (Editorial)

Sepsis
  arginine as mediator or modulator of, 201
  monitoring therapeutic interventions for, 423
Steroids, anabolic, 263
Stomach cancer, postoperative PN for adults with, 255
Stress, metabolic, kwashiorkor and, 312 (Letter)
Stress hyperglycemia, postoperative prevention of, 235
Studley, Hiram, on peptic ulcer surgical risk and preoperative weight loss, 471
Surgery
  for diabetic gastroparesis management, 145
  hyperglycemia prevention after, 235
  immune-enhancing diets and, 216
  PN for adults after, 255

Tolerance
  enteral nutrition, 481
  enteral nutrition in children, 496

postpyloric feeding tubes and EN, 518
Transplantation, diabetes mellitus after, 117 (Editorial), 165
Trauma, interrupted delivery of enteral nutrition and, 511

Underfeeding, permissive, in critically ill patients, 477

Ventilators
enteral nutrition and, 610
pneumonia associated with, 597

Wasting syndrome, HIV-associated, recombinant human growth hormone for, 388
Weight loss, peptic ulcer surgical risk and preoperative, 471

AUTHOR INDEX

Albrecht M, 395
Alexander KH, 511
Al Shimemeri A, 523
Arabi Y, 523
Aranda-Michel J, 274
A.S.P.E.N. Aluminum Task Force, 416
Bansal V, 216
Barlows TG III, 640
Barnes S, 481
Bartok C, 433
Bernard AC, 481
Bert-Moreno A, 375
Binkley JF, 540
Bistrian BR, 235, 650
Bliss DZ, 421
Borum PR, 379
Bowers JM, 375
Brandon WJ, 312
Branson RD, 622
Braunschweig C, 255
Breen HB, 284
Brousseau AM, 403
Brown RO, 511
Btaiche IM, 186
Buchholz AC, 433
Buchman AL, 312
Canada T, 184, 413, 645
Carlson SJ, 581
Chang H, 395
Chang W-K, 455
Chao Y-C, 455
Charney P, 129
Chaudhary AJ, 610
Colaizzo-Anas T, 536
Coyne-Meyers K, 340
Crist W, 403
DeLegge MH, 37
DeMichele SJ, 563
Dhaliwal R, 193
Diaz JJ, 540
Dickerson RN, 245, 511
DiSario JA, 50
Dobbelsteyn C, 403
Do QT, 531
Drover JW, 193
Earthman CP, 330
Fang JC, 50
Fenton M, 319
Fischer J, 290
Forfia J, 395
Franz MJ, 137
Fuhrman MP, 649
Fulford A, 274
Gerrior J, 395
Gervasio J, 263
Giger U, 37
Greenwood JK, 31
Guidroz AD, 610
Haddad S, 523
Hasse JM, 117, 587
Heimburger DC, 313
Hertzler SR, 129
Heyland DK, 193, 597
Holdy KE, 447
Horiuchi K, 184
Hudgens J, 463
Ireton-Jones C, 60, 184, 284, 309, 637
Jeejeebhoy KN, 477
Jensen GL, 540
Jimenez LL, 518
Johannigman JA, 622
Johnson TN, 531
Jones MP, 145, 409
Kaushik N, 25
Kearney PA, 481
Khokhar AS, 5
Kindle R, 637
Klintmalm GB, 154
Kotler DP, 324
Kozar R, 504
Kudsk KA, 181
Langkamp-Henken B, 311, 463
Larson G, 290
Levy MF, 154
Liang HF, 255
Lo DY, 409
Lovelace HY, 31
Magnuson B, 481
Maillet JO, 365
Makarenkova V, 216
Mallampalli A, 550
Malone AM, 557
Maloney JP, 547
Marian M, 62
Marik PE, 201, 423
Marr AB, 504
Marsh WA, 640
Matarese LE, 535
McClave SA, 1, 31, 455
McCowen KC, 235, 650
McGinnis C, 290
McMahon MM, 120
McQuiggan MM, 504
Meert KL, 487
Metheny NA, 487
Miller L, 395
Mills B, 540
Minard G, 511
Mizock BA, 563
Moncure M, 539
Moore FA, 504
Morgan LM, 511
Morgan SL, 313
Mouser JF, 172
Mwamburi DM, 395
Napier-Phillips A, 403
Obayashi PAC, 165
Ochoa JB, 216
O'Keefe SJD, 25
Olson DL, 575
Onaca N, 154
Parekh NR, 471
Parker CM, 597
Phang JS, 640
Rabbat J, 379
Ramage JE, Jr, 518
Reifer CJ, 186
Resurreccion LB, 313
Rice TW, 547
Robien K, 648
Rodrigues J, 365
Rothley B, 56
Roy M-A, 540
Rubin DS, 388
Russell MK, 16
Saboori S, 395
Sacks GS, 226
Sakkijha M, 523
Satchie BN, 181
Schloerb PR, 539
Schoeller DA, 433
Schwartz DB, 310
Schwartz HI, 640
Schwenk WF II, 575
Scolapio JS, 274
Scully E, 395
Segal-Maurer S, 388
Seidner DL, 5
Seres DS, 64, 313
Shattler KJ, 415
Sheean P, 255
Siddiqui R, 201
Silver HJ, 297
Stanga Z, 37
Steiger E, 471
Swintosky M, 481
Terry C, 201
Trombley LE, 340
Tsuei BJ, 481
Tucker A, 531
Tynan C, 587
Vyas A, 365
Wanke CA, 395
Wasserman P, 388
Weckwerth JA, 496
Wilcox CM, 356
Wilson IB, 395
Yen JL, 409
Zaloga GP, 201